REMARKS

By this Response to Restriction Requirement and Preliminary Amendment, Group II is elected, Claims 1-9 are cancelled, Claim 10 is amended, and new Claims 11-38 are added. Support for each amendment and new claim is found in the specification as described below. No new matter is added to this application.

The amendment to Claim 10 and the corresponding section of the specification (page 21, line 21-page 22, line 30) is as follows. First, hydrogen atoms are missing from the -ene functionalities, specifically –C<u>H</u>=CH-R and -R-C<u>H</u>=CH_2, in section b of the compound description (page 22, line 1) as well as Claim 10. These clerical errors are corrected by this amendment. One of ordinary skill would readily recognize this clerical error from the requirement for a hydrogen atom to satisfy the valence of each carbon to which it is bonded.

Second, possible selections for R_a, namely, where R_a is -$OC(O)CH_3$, -C(O)H, -NH_2, -NMe_2, or -NHMe, which appeared in the specification, are now included in Claim 10. Support for these R_a substituents is found as follows. Support for R_a being -$OC(O)CH_3$ is found at page 20, lines 5 and Table 1. Support for R_a being -C(O)H is found at page 20, lines 5 and Table 1. Support for R_a being -NH_2 is found at page 20, line 6. Support for R_a being -NMe_2 is found at page 20, lines 6 and 9-10. Support for R_a being -NHMe is found at page 20, lines 6 and 9-10.

Third, the missing subscript 2 is added to the nitrogen substituent Y in $NY\underline{2}$ in Claim 10 and in the corresponding section of the specification (page 22, 4th full paragraph), to indicate the amine functionality, and further clarified that Y is independently selected from the listed substituents. Again, one of ordinary skill would readily recognize this clerical error from the fact that oxygen and sulfur require a single substituent Y, specified by O-Y and S-Y, while

nitrogen requires two such substituents to satisfy its valence, hence NY_2. Support for this clerical correction is also found in the specification (*see, for example:* page 20, lines 6-7; Examples 13-22; Table 2, page 33).

Fourth, the deletion of the substituent >C=N-OH from the definition of Z" in Claim 10 and in the corresponding section of the specification (page 22, 5th full paragraph) is made to remove a redundancy in Claim 10 and the specification. Thus, Z" may be $>C=N-OR_5$ and R_5 may be defined, among other things, as hydrogen. Therefore, removing this redundant substituent does not change the scope of this claim, nor add new matter.

Support for new Claim 11 is found in Claim 2 as filed.

Support for new Claim 12 is found in Claim 3 as filed.

Support for new Claim 13 is found in Claim 4 as filed.

Support for new Claim 14 is found in Claim 5 as filed.

Support for new Claim 15 is found in Claim 6 as filed.

Support for new Claim 16 is found in Claim 7 as filed.

Support for new Claim 17 is found in Claim 8 as filed.

Support for new Claim 18 is found in Claim 9 as filed, and on page 20, lines 7 and 9-10. This new claim is based on an amendment to the Claim 9 compound and reflects the correction of a clerical error in which a carbon atom was inadvertently used in place of a nitrogen atom in the dimethylamino alkyl group. One of ordinary skill would recognize that a carbon atom cannot satisfy its valence by bonding to two methyl groups, but a nitrogen atom can. The dimethylamino alkyl group finds further support in the specification on page 22, the fourth (4th) full paragraph, and Claim 1.

Support for new Claim 19 is found in Claims 1 and 10 as filed.

Support for new Claim 20 is found at page 20, line 5, and Table 1, page 20.

Support for new Claim 21 is found at page 20, line 5, and Table 1, page 20.

Support for new Claim 22 is found at page 20, line 5, and Table 1, page 20.

Support for new Claim 23 is found at page 20, line 6.

Support for new Claim 24 is found in Claims 1 and 10 as filed.

Support for new Claim 25 is found in Claims 1 and 10 as filed.

Support for new Claim 26 is found in Claims 1 and 10 as filed.

Support for new Claim 27 is found in Claims 1 and 10 as filed.

Support for new Claim 28 is found at page 20, lines 6 and 9-10.

Support for new Claim 29 is found in Claims 1 and 10 as filed.

Support for new Claim 30 is found in Claims 1 and 10 as filed.

Support for new Claim 31 is found in Claims 1 and 10 as filed, page 20, lines 4-12 and Table 1, in which compounds where both R_{h1} and R_{h2} are H are disclosed.

Support for new Claim 32 is found in Claims 1 and 10 as filed.

Support for new Claim 33 is found in Claims 1 and 10 as filed.

Support for new Claim 34 is found in Claims 1 and 10 as filed.

Support for new Claim 35 is found in Claims 1 and 10 as filed.

Support for new Claim 36 is found in Claims 1 and 10 as filed.

Support for new Claim 37 is found in Claims 1 and 10 as filed.

Support for new Claim 38 is found in Claims 1 and 10 as filed.

Accordingly, these amendments do not affect the scope of the claims, nor add new matter to the application.

VERSION WITH MARKINGS TO SHOW CHANGES MADE

Amendments in the Specification:

In accordance with 37 CFR 1.121(b), the following replacement paragraphs show all the changes made by the foregoing amendment relative to the previous version of the paragraphs.

Page 22, First (1st) Full Paragraph

b) R_a is -N_3, -C≡N, -C≡C-R, -CH=CH-R, -R-CH=CH_2, -C≡CH, -O-R, -R-R_1, -$OC(O)CH_3$, -C(O)H, -NH_2, -NMe_2, -NHMe or -O-R-R_1 where R is a straight or branched alkyl with up to 10 carbons or aralkyl, and R_1 is -OH, -NH_2, -Cl, -Br, -I, -F or CF_3;

Page 22, Fourth (4th) Full Paragraph

e) R_{h1} and R_{h2} are independently H, or a straight or branched chain alkyl, alkenyl or alkynyl with up to 6 carbons that is unsubstituted, or substituted with one or more groups selected from a hetero functionality (O-Y, N-Y_2 or S-Y) where Y is independently selected from H, Me or an alkyl chain up to 6 carbons; a halo functionality (F, Cl, Br or I); an aromatic group optionally substituted with hetero, halo or alkyl; or R_{h1} and R_{h2} are independently an aromatic group optionally substituted with hetero, halo or alkyl, provided that both R_{h1} and R_{h2} are not H;

Page 22, Fifth (5th) Full Paragraph

f) Z" is >CH_2, >C=O, [>C(H)-OH,] >C=N-OR_5, >C(H)-C≡N, or >C(H)-NR_5R_5, wherein each R_5 is independently hydrogen, an alkyl or branched alkyl with up to 10 carbons or aralkyl;